

**METHODS OF USING QUANTITATIVE LIPID METABOLOME DATA****ABSTRACT OF THE DISCLOSURE**

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Described herein in various embodiments are methods for using quantitative and/or comparative lipid metabolite data, particularly for identifying and interpreting individual metabolomic profiles as indicative of metabolic status. The provided methods, for instance, allow analysis of the likelihood or progression of weight gain or weight loss, growth or wasting, obesity, diabetes, and aging in an individual based on measurements of the measurement of the quantity of one or more lipid biomarkers, profiles of such markers, or ratios of such markers.

10